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WHAT IS CLAIMED IS

1 1. A USB-based wireless transmitting/receiving system comprising:
2 a transmitting portion adapted to be connected to at least one
3 USB-based peripheral device for receiving a signal from the
4 peripheral device;
5 a receiving portion adapted to be connected to a computer host and
6 coupled to the transmitting portion in a wireless fashion for
7 receiving and applying the signal from the transmitting portion to
8 the computer host whereby a wireless communication is
9 established between the computer host and the USB-based
10 peripheral device.

1 2. The USB-based wireless transmitting/receiving system as claimed in
2 Claim 1, wherein the wireless coupling between the transmitting
3 portion and the receiving portion comprises infrared transmission.

1 3. The USB-based wireless transmitting/receiving system as claimed in
2 Claim 1, wherein the wireless coupling between the transmitting
3 portion and the receiving portion comprises radio frequency
4 transmission.

1 4. The USB-based wireless transmitting/receiving system as claimed in
2 Claim 1, wherein the transmitting portion comprises a central
3 processing unit to which a transmitting unit and a receiving unit are
4 connected and a power supply system for powering the central
5 processing unit.

1 5. The USB-based wireless transmitting/receiving system as claimed in
2 Claim 4, wherein the power supply system comprises a controller to
3 which a primary power source and an auxiliary power source are

4 connected whereby the controller selectively supplies power from the
5 primary power source and the auxiliary power source to the central
6 processing unit.

1 6. The USB-based wireless transmitting/receiving system as claimed in
2 Claim 5, wherein the auxiliary power source selectively comprises a
3 primary battery set, a secondary battery set and a solar cell system.

1 7. The USB-based wireless transmitting/receiving system as claimed in
2 Claim 1, wherein the receiving portion comprises a central processing
3 unit to which a transmitting unit and a receiving unit are connected
4 and a power supply system for powering the central processing unit.

1 8. The USB-based wireless transmitting/receiving system as claimed in
2 Claim 7, wherein the power supply system comprises a controller to
3 which a primary power source and an auxiliary power source are
4 connected whereby the controller selectively supplies power from the
5 primary power source and the auxiliary power source to the central
6 processing unit.

1 9. The USB-based wireless transmitting/receiving system as claimed in
2 Claim 8, wherein the auxiliary power source selectively comprises a
3 primary battery set, a secondary battery set and a solar cell system.

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